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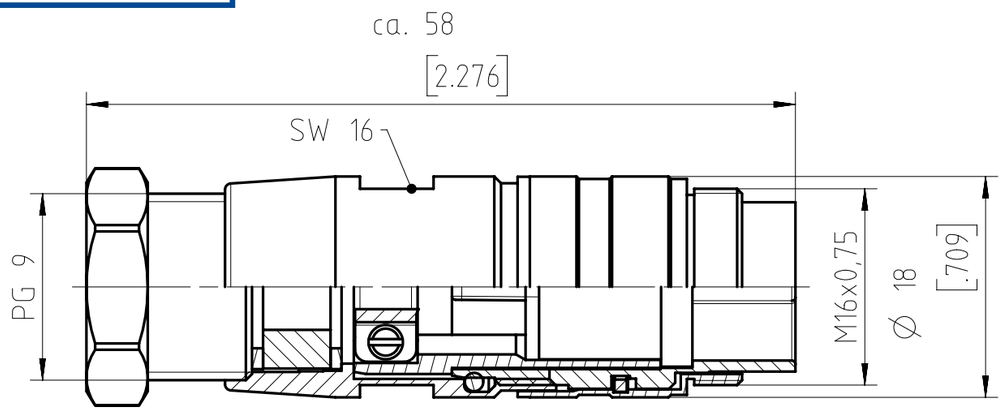
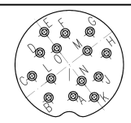
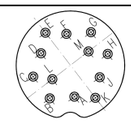
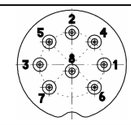
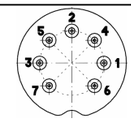
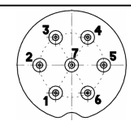
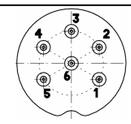
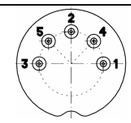
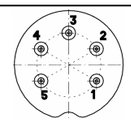
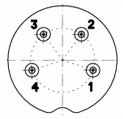
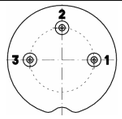



| Number of contacts | Standard | 3 | 4 | 5 | 5S | 6 | 7 | 7 | 8 | 12 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Contact arrangement | DIN EN 61076-2-106 | 03-a | 04-a | 05-a | 05-b | 06-a | 07-a | 07-b | 08-a | 12-a | 14-a |
| Contact arrangement | IEC 60130-9[1] | | | - | | | - | | | - | |
| Rated voltage[2] | IEC 60664-1 | 300 V (100 V) | | 300 V (63 V) | 100 V (32 V) | 300 V (63 V) | | 100 V (32 V) | | 150 V (32 V) | |
| Rated voltage | UL 1977 | 250 V | | | | | | | | 60 V | |
| Rated impulse withstand voltage[2] | IEC 60664-1 | 1500 V (840 V) | | | 1200 V (500 V) | 1500 V (840 V) | | 1200 V (500 V) | | | |
| Pollution degree[2] | IEC 60664-1 | 1 (3[3]) | | | | | | | | | |
| Installation category | IEC 60664-1 | I | | | | | | | | | |
| Insulation group | IEC 60664-1 | II, 400 ≤ CTI < 600 | | | | | | | | | |
| Current rating | IEC 60512-5-2 UL 1977 | 5A/+40°C/+104°F | | | | | | | | 3A/+40°C/+104°F | |
| Insulation resistance | IEC 60512-3-1 | >$10^{10}$ Ohm[4] | | | | | | | | | |
| Contact resistance | IEC 60512-2-1 | <5m Ohm | | | | | | | | | |
| Climatic category | IEC 60668-1 | 40 / 100 / 56 | | | | | | | | | |
| Temperatur range | IEC 60668-1 | -40°C...+100°C / -40°F...+212°F | | | | | | | | | |
| salt spray resistance | DIN IEC 60068-2-11 | 720h | | | | | | | | | |
| IP degree | IEC 60529 | IP 67 / IP 65 (in mated condition) | | | | | | | | | |
| Insertion and withdrawal force | IEC 60512-13-2 | 25N | 30N | 35N | | 50N | | 55N | 60N | 50N | |
| Mechanical operation | IEC 60512-9-1 | silver ≥500 mating cycles<br>gold ≥1000 mating cycles | | | | | | | | | |
| Housing material | | brass and / or zinc die cast, nickel plated | | | | | | | | | |
| Dielectric material | | thermoplastic | | | | | | | | | |
| Contacts | | silver or gold plated, please order contacts separately acc. to drawing M-N 01 015 00XX X (3-8pol) or M-N 01 010 0158 X U (12-14pol) | | | | | | | | | |
| Termination technique | | crimp | | | | | | | | | |
| Wire gauge | | 2-6 pol (exclusive 5S): 0,09-1,0mm² / 28-18 AWG<br>5S, 7, 7S, 8pol: 0,09-0,75mm² / 28-20 AWG | | | | | | | | 0,09-0,25mm² / 28-24 AWG | |
| Flamability | | UL 94 V0 | | | | | | | | | |
| locking system | IEC 60130-9 DIN EN 61076-2-106 | metal screw coupling; tightening torque 0,7Nm | | | | | | | | | |

[1] Edition 2000-05
[2] values in brackets are according to DIN EN 61076-2-106
[3] designed acc. pollution degree 2; can be used under pollution degree 3 when the rules of IEC 60644-1 are fulfilled
[4] under operating conditions >$10^{8}$ Ohm

All technical data have been measured in a laboratory environment and can be different during pratical usage of the product. Any product informtion is for descriptive usage only and not legally binding; particulary the information does not constitute or provide any legal guaranties. Do not connect or disconnect under load. Metal housing parts shall be securely incoporated to protected ground. Parts according to directive 2002/95/EG (RoHS).

| Contact arrangement View on mating side | Number of contacts (Contact arrangement acc. IEC 61076-2-106) | Part number |
|---|---|---|
|  | 14 (14-a) | C091 11H014 001 2 U |
|  | 12 (12-a) | C091 11H012 001 2 U |
|  | 8 (08-a) | C091 11H008 001 2 U |
|  | 7 (07-b) | C091 11H107 001 2 U |
|  | 7 (07-a) | C091 11H007 001 2 U |
|  | 6 (06-a) | C091 11H006 001 2 U |
|  | 5 (05-b) | C091 11H105 001 2 U |
|  | 5 (05-a) | C091 11H005 001 2 U |
|  | 4 (04-a) | C091 11H004 001 2 U |
|  | 3 (03-a) | C091 11H003 001 2 U |

Gewicht (errechnet) / *Calc WT* : g
Prüfmaß / *Testdimension*
Teileindex
*Partindexnumber*

Zul. Abw. / *Tolerances* : DIN / ISO 13715

Maßstab / *Scale* : 2:1 | A3

# CUSTOMER DRAWING

## Kabelstecker PG9
male cable connector

| | | | | Datum / *Date* | Name |
|---|---|---|---|---|---|
| | | | | 2014 | |
| | | | | Gez. / *Drawn* | 27.06. Mohrlang |
| | | | | Gepr. / *Checked* | i.A. |
| 01 | 201400467 | 27.06.14 | IM | | |
| Index | Änderung / *Description* | Datum / *Date* | Name | | |

**Amphenol-Tuchel Electronics GmbH**

M | C091 11HXXX 001 2 U

Blatt / *Sheet* 1 | 1 Bl.

Ers. f. / *Replacement for* :

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